

# WMATA Accessibility Advisory Committee

## Monthly Synopsis of WMATA Elevator and Escalator Performance

Reporting Date: 6/30/2016

**Subject:** Office of Elevator and Escalator  
Monthly Statistics for Period Spanning  
June 1, 2016 - June 30, 2016

**From:** Lisa Blush  
Office of Elevator and Escalator

**Via:** Lonnie Murray, General Superintendent  
Office of Elevator and Escalator  
and  
Mitchell Nici, Asst. General Superintendent  
Office of Elevator and Escalator

**To:** Accessibility Advisory Committee (AAC)

### Performance Synopsis for Period Spanning

June 1 2016 June 30 2016

	<u>Elevator</u>	<u>Escalator</u>
<b>System Availability (Overall)</b>	<b>98.1%</b>	<b>92.6%</b>
<b>Scheduled Availability (Excludes CIP &amp; Sch. Outages)</b>	<b>97.0%</b>	<b>96.7%</b>
<b>MTBF (Mean Time Between Failures) Hrs.</b>	<b>499.9</b>	<b>169.2</b>
<b>MTTR (Mean Time to Repair) Hrs.</b>	<b>9.6</b>	<b>5.6</b>
<b>Total Number of Failures</b>	<b>286</b>	<b>1,686</b>

**System Availability** - Availability inclusive of both scheduled and unscheduled work

**Scheduled Availability** - Availability exclusive of scheduled work

**Scheduled work** - Includes CIP's, Inspections, and similar work that is planned in advance

**MTBF** - Is the elapsed time between failures during a systems operating time

**MTTR** - Is the average time required to repair a failure

## Historical Data

<u>FY 2016 Q3/Q4</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>Avg. of Q3/Q4</u>
<b>Elevators</b>							
<b>Sys. Avail</b>	97.2%	97.1%	97.1%	97.0%	96.8%	97.0%	97.0%
<b>Sch. Avail</b>	98.9%	98.6%	98.4%	98.9%	98.2%	98.1%	98.5%
<b>Escalators</b>							
<b>Sys. Avail</b>	93.3%	93.4%	94.2%	93.6%	93.5%	92.6%	93.4%
<b>Sch. Avail</b>	96.9%	97.0%	96.8%	97.5%	97.1%	96.7%	97.0%
<u>FY 2016 Q1/Q2</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>Avg. of Q1/Q2</u>
<b>Elevators</b>							
<b>Sys. Avail</b>	96.1%	97.2%	97.0%	96.7%	96.2%	97.0%	96.7%
<b>Sch. Avail</b>	97.9%	98.7%	98.6%	98.2%	98.3%	98.9%	98.4%
<b>Escalators</b>							
<b>Sys. Avail</b>	93.2%	93.0%	93.1%	93.3%	93.0%	93.3%	93.2%
<b>Sch. Avail</b>	97.1%	97.2%	97.3%	97.3%	97.1%	97.1%	97.2%
<u>FY 2015 Q3/Q4</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>Avg. of Q3/Q4</u>
<b>Elevators</b>							
<b>Sys. Avail</b>	96.5%	97.2%	98.0%	97.4%	96.8%	96.4%	97.0%
<b>Sch. Avail</b>	98.0%	98.6%	98.9%	99.0%	98.7%	98.4%	98.6%
<b>Escalators</b>							
<b>Sys. Avail</b>	93.0%	93.9%	94.0%	94.0%	93.4%	93.8%	93.7%
<b>Sch. Avail</b>	96.7%	97.4%	97.7%	97.8%	97.5%	97.4%	97.4%

<u>FY 2015 Q1/Q2</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>Avg. of Q1/Q2</u>
<b>Elevators</b>							
Sys. Avail	96.6%	97.2%	97.0%	96.1%	96.2%	96.3%	96.6%
Sch. Avail	97.3%	98.0%	98.5%	98.0%	97.7%	98.0%	97.9%
<b>Escalators</b>							
Sys. Avail	92.9%	92.3%	92.6%	93.4%	94.0%	93.3%	93.1%
Sch. Avail	96.4%	96.3%	96.3%	97.2%	97.3%	96.8%	96.7%

<u>FY 2014 Q3/Q4</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>Avg. of Q3/Q4</u>
<b>Elevators</b>							
Sys. Avail	97.0%	96.9%	97.0%	97.2%	97.5%	97.9%	97.3%
Sch. Avail	98.3%	98.0%	97.9%	97.8%	98.3%	98.7%	98.2%
<b>Escalators</b>							
Sys. Avail	92.0%	93.7%	93.6%	92.7%	92.7%	92.8%	92.9%
Sch. Avail	95.3%	96.8%	97.2%	96.6%	96.7%	96.9%	96.6%

<u>FY 2014 Q1/Q2</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>Avg. of Q1/Q2</u>
<b>Elevators</b>							
Sys. Avail	96.1%	96.4%	97.0%	96.4%	97.0%	97.3%	96.7%
Sch. Avail	99.1%	98.7%	98.9%	98.7%	98.5%	98.1%	98.7%
<b>Escalators</b>							
Sys. Avail	92.1%	92.9%	93.0%	92.9%	93.4%	92.3%	92.8%
Sch. Avail	95.2%	95.5%	95.3%	95.5%	95.8%	95.3%	95.4%

<u>FY 2013 Q3/Q4</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>Avg. of Q3/Q4</u>
<b>Elevators</b>							
Sys. Avail	97.6%	96.5%	96.4%	95.9%	95.3%	94.6%	96.1%
Sch. Avail	99.4%	98.3%	98.7%	99.1%	99.1%	98.5%	98.8%
<b>Escalators</b>							
Sys. Avail	90.3%	90.1%	90.9%	92.2%	91.5%	92.8%	91.3%
Sch. Avail	93.9%	93.3%	95.1%	96.2%	95.2%	95.8%	94.9%

<u>FY 2013 Q1/Q2</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>Avg. of Q1/Q2</u>
<b>Elevators</b>							
Sys. Avail	97.5%	97.2%	97.3%	97.5%	97.6%	97.1%	97.4%
Sch. Avail	98.5%	98.9%	99.1%	99.3%	99.0%	98.4%	98.9%
<b>Escalators</b>							
Sys. Avail	90.2%	89.3%	87.6%	87.8%	90.2%	90.8%	89.3%
Sch. Avail	93.6%	93.0%	91.5%	90.9%	93.1%	93.8%	92.6%

<u>FY 2012 Q3/Q4</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>Avg. of Q3/Q4</u>
<b>Elevators</b>							
Sys. Avail	96.0%	96.6%	96.3%	96.9%	98.0%	0.0%	96.3%
Sch. Avail	97.3%	98.3%	98.0%	98.7%	98.7%	0.0%	97.9%
<b>Escalators</b>							
Sys. Avail	89.0%	89.4%	89.7%	90.3%	91.2%	0.0%	89.4%
Sch. Avail	93.6%	94.3%	94.2%	94.3%	95.1%	0.0%	94.0%

<u>FY 2012 Q1/Q2</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>Avg. of Q1/Q2</u>
<b>Elevators</b>							
Sys. Avail	96.2%	94.7%	95.2%	95.7%	96.8%	96.0%	95.8%
Sch. Avail	96.6%	95.0%	95.3%	96.2%	97.2%	97.0%	96.2%
<b>Escalators</b>							
Sys. Avail	80.6%	82.4%	86.8%	88.4%	89.5%	88.4%	86.0%
Sch. Avail	85.1%	86.4%	90.6%	92.0%	93.1%	92.3%	89.9%

<u>FY 2011 Q3/Q4</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>Avg. of Q3/Q4</u>
<b>Elevators</b>							
Sys. Avail	96.2%	96.0%	97.2%	96.2%	97.8%	98.0%	96.9%
Sch. Avail	96.3%	96.1%	97.3%	96.3%	97.8%	98.1%	97.0%
<b>Escalators</b>							
Sys. Avail	87.5%	87.0%	86.6%	84.6%	81.5%	83.1%	85.1%
Sch. Avail	90.7%	88.3%	89.5%	86.9%	84.6%	87.3%	87.9%

<u>FY 2011 Q1/Q2</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>Avg. of Q1/Q2</u>
<b>Elevators</b>							
<b>Sys. Avail</b>	95.5%	94.6%	95.9%	96.4%	96.9%	96.6%	96.0%
<b>Sch. Avail</b>	95.5%	95.0%	96.8%	97.2%	97.0%	96.6%	96.3%
<b>Escalators</b>							
<b>Sys. Avail</b>	88.6%	89.4%	89.4%	87.4%	88.5%	89.4%	88.8%
<b>Sch. Avail</b>	91.2%	91.6%	91.3%	89.3%	90.5%	92.4%	91.0%

<u>FY 2010 Q3/Q4</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>Avg. of Q3/Q4</u>
<b>Elevators</b>							
<b>Sys. Avail</b>	97.3%	97.8%	97.3%	97.8%	97.1%	96.7%	97.4%
<b>Sch. Avail</b>	97.3%	97.8%	97.4%	97.9%	97.3%	96.7%	97.4%
<b>Escalators</b>							
<b>Sys. Avail</b>	90.0%	89.7%	89.4%	90.1%	89.8%	90.2%	89.9%
<b>Sch. Avail</b>	92.2%	92.0%	91.8%	92.2%	92.5%	92.5%	92.2%

<u>FY 2010 Q1/Q2</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>Avg. of Q1/Q2</u>
<b>Elevators</b>							
<b>Sys. Avail</b>	96.6%	94.7%	93.1%	96.9%	95.8%	97.1%	95.7%
<b>Sch. Avail</b>	96.7%	94.7%	93.1%	97.1%	95.9%	97.1%	95.8%
<b>Escalators</b>							
<b>Sys. Avail</b>	88.9%	89.9%	90.1%	90.4%	91.3%	91.8%	90.4%
<b>Sch. Avail</b>	91.0%	92.1%	92.8%	93.4%	93.9%	94.1%	92.9%